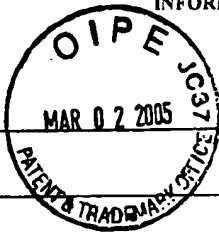


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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1USD3	Application Number: 10/643,486
Applicant: LABIB ET AL.		
Filing Date: 08/18/2003		Group Art Unit: <u>UNKNOWN/746</u>



U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRS	2,222,516	11/1940	Powell et al.			
	2,809,429	10/1957	Cerveris			
	2,875,521	03/1959	Tascher			
	3,182,670	05/1965	Howell			
	3,625,231	12/1971	Littrell, Jr.			
	3,811,408	05/1974	Thompson			
	4,169,123	09/1979	Moore et al.			
	4,219,333	08/1980	Harris			
	4,222,346	09/16/1980	Reisgies			
	4,311,618	01/1982	Schafer-Burkhard			
	4,380,477	04/1983	Saunders			
	4,444,597	04/1984	Gortz et al.			
	4,477,438	10/1984	Willcockson et al.			
	4,517,081	05/14/1985	Amiot et al.			
	4,525,220	06/1985	Sasa et al.			
	4,695,385	09/22/1987	Boag			
	4,710,233	12/1987	Hohmann et al.			
	4,744,951	05/1988	Cummings et al.			
	4,752,444	06/1988	Bowen et al.			
	4,776,794	10/11/1988	Meller			
	4,863,688	09/1989	Schmidt et al.			
JWS	4,874,002	10/17/1989	Sundholm			
	4,881,563	11/21/1989	Christian			
	4,892,112	01/1990	Knetsch			
	4,902,352	02/20/1990	Christian			
	4,988,485	01/29/1991	Bene			

EXAMINER <u>JRS</u>	DATE CONSIDERED <u>6/16/05</u>
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1USD3	Application Number: 10/643,486
	Applicant: LABIB ET AL.	
	Filing Date: 08/18/2003	Group Art Unit: <u>UNKNOWN 7745</u>

<u>NLS</u>	5,007,461	04/1991	Naf		
	5,045,352	09/1991	Mueller		
	5,077,008	12/1991	Kralovic et al.		
	5,107,875	04/28/1992	Sundholm		
	5,137,689	08/1992	Cantrell		
	5,159,956	11/03/1992	Kurihara		
	5,160,548	11/1992	Boisture		
	5,197,499	03/30/1993	Bodenmiller et al.		
	5,244,468	09/1993	Harris		
	5,286,301	02/1994	Albrecht		
	5,287,867	02/22/1994	Plummer et al.		
	5,344,652	09/06/1994	Hall, II et al.		
	5,395,456	03/1995	Abrams et al.		
	5,403,479	04/1995	Smith et al.		
	5,408,991	04/1995	Iida et al.		
	5,419,347	05/1995	Carruth		
	5,423,917	06/13/1995	Garcia Jr.		
	5,425,815	06/1995	Parker et al.		
	5,445,761	08/29/1995	Shah et al.		
	5,462,605	10/31/1995	Szucs		
	5,480,565	01/02/1996	Levin et al.		
	5,494,530	02/1996	Graf		
	5,505,218	04/1996	Steinhauser		
	5,529,788	06/25/1996	De Senna		
	5,589,507	12/31/1996	Hall II, et al.		
	5,595,344	01/21/1997	Stames		
	5,615,695	04/01/1997	Chambers		
	5,616,616	04/01/1997	Hall II, et al.		
<u>NLS</u>	5,628,959	05/13/1997	Kross		

EXAMINER <u>JH Stinson</u>	DATE CONSIDERED <u>6/16/05</u>
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1USD3	Application Number: 10/643,486
	Applicant: LABID ET AL.	
	Filing Date: 08/18/2003	Group Art Unit: UNKNOWN 1746

JPS	5,635,195	06/03/1997	Hall II et al.			
	5,651,893	07/29/1997	Kenley et al.			
	5,656,302	08/12/1997	Cosentino et al.			
	5,674,323	10/07/1997	Garcia			
	5,698,100	12/16/1997	Levin et al.			
	5,699,817	12/23/1997	Bankert et al.			
	5,714,060	02/03/1998	Kenley et al.			
	5,723,090	03/03/1998	Beerstecher et al.			
	5,731,275	03/24/1998	Prevost et al.			
	5,795,404	08/1998	Murphy et al.			
	5,837,204	11/17/1998	Prevost et al.			
	5,840,343	11/24/1998	Hall II, et al.			
	5,858,114	01/12/1999	Board et al.			
	5,925,257	07/1999	Albelda et al.			
	5,961,937	10/1999	Gobbato			
	6,019,117	02/01/2000	Detsch et al.			
	6,027,572	02/22/2000	Labib et al.			
	6,142,170	11/07/2000	Belfer et al.			
	6,207,201	03/27/2001	Piacenza			
	6,261,457	07/17/2001	Wenthold et al.			
	6,326,340	12/04/2001	Labib et al.			
	6,423,152 B1	07/23/2002	Landaas			
	2002/0112743 A1	08/22/2002	Tabani et al.			
	6,454,871 B1	09/24/2002	Labib et al.			
	2002/0189647 A1	12/19/2002	Labib et al.			
JPS	6,619,302 B2	09/16/2003	Labib et al.			

EXAMINER <i>JPS</i>	DATE CONSIDERED 6/11/05
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1USD3	Application Number: 10/643,486
	Applicant: LABIB ET AL.	
	Filing Date: 08/18/2003	Group Art Unit: UNKNOWN (746)

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JFS	490,117 A1	06/17/1992	EP	X	X	X	
	634,229 B1	01/18/1995	EP			X	
	893,595	10/19/1953	GE			X	
	63-12933	01/1988	JP				
	WO 96/29098	09/1996	PCT				
JFS	1042826 A	09/23/1983	USSR			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
JFS		Azzopardi, B., "Drops in annular two-phase flow," <i>Int. J. Multiphase Flow</i> , Vol. 23, Suppl., pp. 1-53 (1997)
		Barajas, A. et al., "The effects of contact angle on two-phase flow in capillary tubes," <i>Int. J. Multiphase Flow</i> , Vol. 19, No. 2, pp. 337-346 (1993)
		Henstock, W. et al., "The Interfacial Drag and the Height of the Wall Layer in Annular Flows," <i>AIChE Journal</i> , Vol. 22, No. 6, pp. 990-999 (November 1976)
		Hewitt, G. et al., "Annular Two-Phase Flow," <i>Pergamon Press</i> , pp. v-vii, 1-20, chapters 1-2 (Date Unknown)
		Hobbe et al. "Use of Nuclepore Filters for Counting Bacteria by Fluorescence Microscopy," <i>Appl. and Environ. Microbiol.</i> , Vol. 33, No. 5, pp. 1226-1228 (May 1977)
		Klauser, J., "Piping: An examination of pipe self cleaning in high-purity water systems," <i>Ultrapure Water</i> , pp. 56-60 (March 2001)
		Kogure et al., "A tentative direct microscopic method for counting living marine bacteria," <i>Can. J. Microbiol.</i> , Vol. 25, pp. 415-420 (1997)
		Plummer Design and Technologies, Illinois Waste Management and Research Center, Abstract (1991)
		Reinemann, D., "Dairy operators guide to milking machine cleaning and sanitation," <i>Paper written for presentation at the NRAES the Milking Systems and Parlors Conference</i> , 8 pages (January 30, 2001)
		Riedewald, F., "Biofilms in Pharmaceutical Waters," <i>Pharmaceutical Engineering</i> , 8 pages (November/December 1997)
		Tragardh, C., "Cleaning in air-water-flow," <i>Division of Food Engineering, Lund Engineering, Alnarp (Sweden)</i> , pp. 424-429 (Date Unknown)
JFS		Triplett, K. et al., "Gas liquid two-phase flow in microchannels. Part 1: two-phase flow patterns," <i>International Journal of Multiphase Flow</i> , Vol. 25, pp. 377-380, 387-393 (1999)

EXAMINER <i>JFS</i>	DATE CONSIDERED 8/16/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1USD3	Application Number: 10/643,486
	Applicant: LABIB ET AL.	
	Filing Date: 08/18/2003	Group Art Unit: UNKNOWN 1746

JWS	Woodmansee, D. et al., "Mechanism for the removal of droplets from a liquid surface by a parallel air flow," <i>Chemical Engineering Science</i> , Vol. 24, pp. 299-307 (1969)
JWS	Yuan, S., "Foundations of Fluid Mechanics," <i>Prentice-Hall Inc.</i> , pp. 357-363 (1967)

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EXAMINER JWS	DATE CONSIDERED 6/16/05
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